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Appn. Number: 10/754,340 (Wang) GAU 2611 Amnt. B. Contd. 10

**REMARKS — General**

By the above amendment, applicant has amended the specification to describe in further detail the difference between the multipath-based channel estimation used in conventional rake and G-rake receivers, and the composite CIR estimation in the present invention.

Applicant has also rewritten all claims to define the invention more particularly and distinctly in order to overcome the technical rejections and define the invention patentably over the cited prior art. Specifically, step (c) in claim 1 is amended and recites:

- (c) assigning a set of channel-tap locations by a sequential search based on said composite channel impulse response, with each said channel tap depending on said composite channel impulse response

Step (a) in claim 3 is amended and recites:

- (a) determining a search region based on said composite channel impulse response

Step (c) in claim 24 is amended and recites:

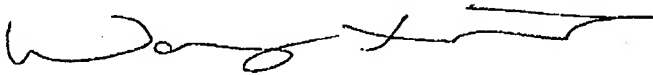
- (c) assigning a set of filter-tap locations by a sequential search, with each said filter tap depending on said composite channel impulse response.

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### Conclusion

For all the reasons given above, applicant respectfully submits that the claims comply with Section 112, the claims define over the prior art under Section 102, and the claimed distinctions are of patentable merit under Section 103 because of the new results provided. Therefore applicant submits that this application is now in full condition for allowance, which action applicant respectfully solicits.

Very respectfully,



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**Certificate of Facsimile Transmission.** I certify that on the date below I will fax this communication to GAU 2611 of the Patent and Trademark Office at 571-273-8300.

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